LESSON 1.1

NAME _____ DATE _____

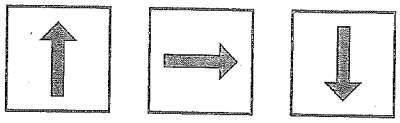
Practice A

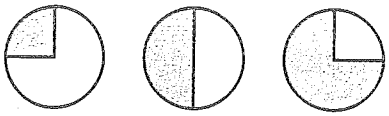
For use with pages 3–7

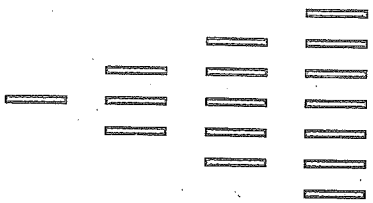
Lesson 1.1

Sketch the next figure you expect in the pattern.

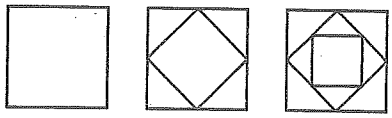
1. 

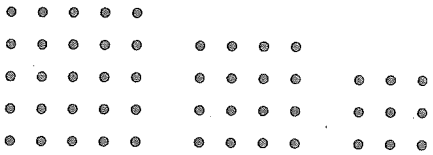
2. 

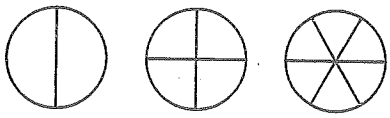
3. 

4. 

5. 

6. 

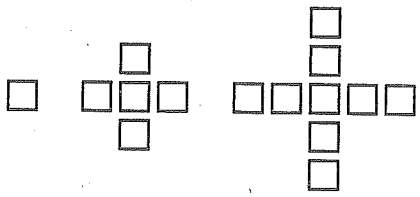
7. 

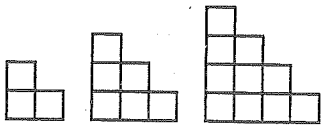
8. 

Describe a pattern in the numbers. Write the next number you expect in the pattern.

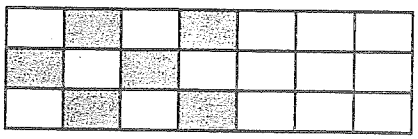
9. 2, 6, 10, 14, . . .
10. 14, 11, 8, 5, . . .
11. 1, 3, 9, 27, . . .
12. 1, 5, 25, 125, . . .
13. 20, 19, 17, 14, . . .
14. 24, 12, 6, 3, . . .
15. 1, 2, 4, 7, 11, . . .
16. 34, 27, 20, 13, . . .

The first three objects in a pattern are shown. How many squares are in the next object?

17. 

18. 

19. You are designing a banner for the lobby of your school. Shade the remaining sections of the banner based on the pattern shown.



LESSON 1.1

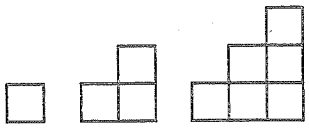
NAME _____ DATE _____

Practice B

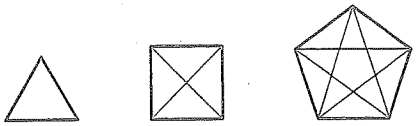
For use with pages 3–7

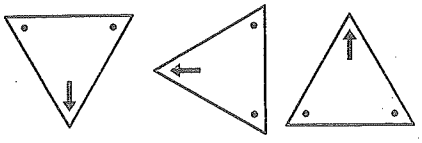
Sketch the next two figures you expect in the pattern.

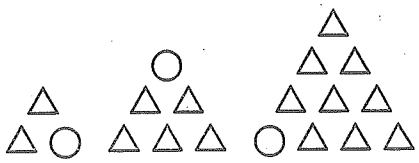
1. 

2. 

3. 

4. 

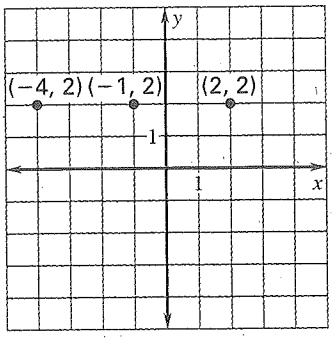
5. 

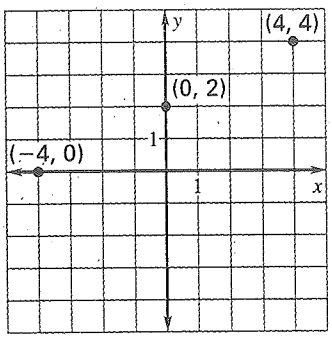
6. 

Describe a pattern in the numbers. Write the next number you expect in the pattern.

7. 4, 5, 7, 10, . . .
8. 500, 100, 20, 4, . . .
9. 6, −2, −10, −18, . . .
10. 4.5, 9, 18, 36, . . .
11. 7, 9, 12, 16, 21, . . .
12. 1, 4, 9, 16, . . .
13. 3, 5, 9, 15, 23, . . .
14. 18, 17, 15, 12, . . .

Find a pattern in the coordinates of the points. Then write the coordinates of another point in the pattern.

15. 

16. 

The number of bacteria after n hours is given in the table. Predict the number of bacteria after 6 hours.

17.

n (hours)	1	2	3	4	5
number of bacteria	3	6	12	24	48

18.

n (hours)	1	2	3	4	5
number of bacteria	640	320	160	80	40